Title (en)

Method for accurately placing an insert in concrete, apparatus for performing said method , and railway track obtained through the method

Title (de)

Verfahren zum lagegenauen Hinsetzen einer Einlage in Beton, Einrichtung zur Durchführung dieses Verfahrens, und durch das Verfahren erhaltenes Gleis

Title (fr)

Procédé pour mettre en place avec précision un insert dans du béton, dispositif pour la mise en oeuvre de ce procédé, et voie de chemin de fer obtenue par ce procédé

Publication

EP 0803609 B1 20030115 (FR)

Application

EP 97400910 A 19970422

Priority

FR 9605099 A 19960423

Abstract (en)

[origin: EP0803609A2] The method for the precision placing of rail saddles (1) in concrete involves pouring a concrete slab (31) having a solid consistency and smooth surface. Whilst the concrete is fresh the saddle is driven in whilst vibrating with a vibrator (35) until the saddle attains the required position. A steel sheet base (30), laid on the concrete, has a circular opening on which a vertical tube (28) is welded. A polyurethane receptacle (28) passed through the tube has an internal surface fitting the shape of the saddle. During vibration the liquefied concrete is prevented from rising up the tube by the sheet and receptacle and forced into the insert cavities.

IPC 1-7

E01B 3/28; B28B 19/00

IPC 8 full level

B28B 23/00 (2006.01); **E01B 3/38** (2006.01); **E01B 9/18** (2006.01); **E01B 29/32** (2006.01); **E01B 31/26** (2006.01)

CPC (source: EP)

B28B 23/005 (2013.01); **B28B 23/0062** (2013.01); **E01B 3/38** (2013.01); **E01B 9/18** (2013.01); **E01B 29/32** (2013.01); **E01B 31/26** (2013.01)

Cited by

KR100918504B1; FR3003276A1; FR2941973A1; US6913717B2; FR2833023A1; US7325316B2; FR2897622A1; EP1826319A1; KR101386516B1; EP3409836A1; FR3067045A1; CN110952391A; US7428778B2; US11085153B2; FR2812671A1; EP3031983A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 97400910 A 19970422; AT 97400910 T 19970422; DE 69718371 T 19970422; FR 9605099 A 19960423